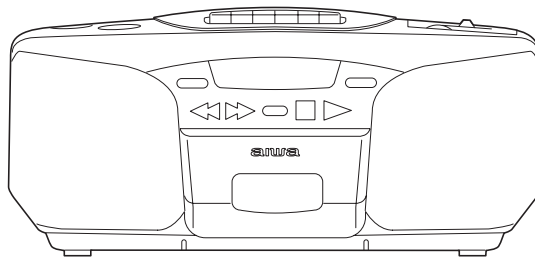


CSD-A110 U(S) CSD-A170 LH(S)



SERVICE MANUAL

COMPACT DISC RADIO
CASSETTE RECORDER

- BASIC TAPE MECHANISM : ZZM-1 YR2NF
 - BASIC CD MECHANISM : DA11T3C
-

This Service Manual is the "Revision Publishing" and replaces "Simple Manual"
CSD-A110 U(S)/A170 LH(S)(S/M Code No. 09-003-342-2T1).

SPECIFICATIONS

U MODEL

Tuner section

Frequency range, antenna — FM: 87.5 - 108.0 MHz Rod antenna,
AM: 530 - 1,710 kHz Ferrite bar antenna

Deck section

Track format — 4 tracks, 2 channels / Frequency range — Normal tape:
50 - 12,500 Hz (EIAJ) / Recording system — AC bias / Erasing system —
Magnet erase / Heads — Recording/playback head (1), Erasure head (1)

CD player section

Disc — Compact disc / Scanning method — Non-contact optical scanner
(semiconductor laser)

General

Speaker — 100 mm cone type (2) / Output — Headphones jack (stereo
mini-jack) / Power output — 2.5 W + 2.5 W (EIAJ 7 ohms, T.H.D. 10%) /
Power requirements — DC 12 V using eight size C (R14) batteries, AC
120 V, 60 Hz / Power consumption — 15 W / Dimensions — 420 (W) ×
185 (H) × 250 (D) mm (16⁵/₈ × 7³/₈ × 9⁷/₈ in.) / Weight — 3.45 kg (7 lbs.
10 oz.) (excluding batteries)

- Design and specifications are subject to change without notice.

LH MODEL

Tuner section

Frequency range, antenna — FM: 87.5 - 108.0 MHz Rod antenna,
AM: 530 - 1,710 kHz Ferrite bar antenna

Deck section

Track format — 4 tracks, 2 channels / Frequency range — Normal tape:
50 - 12,500 Hz (EIAJ) / Recording system — AC bias / Erasing system
— Magnet erase / Heads — Recording/playback head (1), Erasure head
(1)

CD player section

Disc — Compact disc / Scanning method — Non-contact optical
scanner (semiconductor laser)

General

Speaker — 100 mm cone type (2) / Output — Headphones jack
(stereo mini-jack) / Power output — 2.5 W + 2.5 W (EIAJ 7 ohms,
T.H.D. 10%), 1.9 W + 1.9 W (DIN 1% Rated Power) / Power
requirements — DC 12 V using eight size C (R14) batteries, AC 110 -
120 V/220 - 240 V switchable, 50/60 Hz / Power consumption — 14 W
/ Dimensions — 420 (W) × 185 (H) × 250 (D) mm / Weight — 3.45 kg
(excluding batteries)

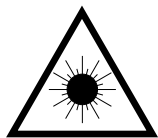
- Design and specifications are subject to change without notice.

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs laser. Therefore, be sure to follow carefully the instructions below when servicing.

WARNING!

WHEN SERVICING, DO NOT APPROACH THE LASER EXIT WITH THE EYE TOO CLOSELY. IN CASE IT IS NECESSARY TO CONFIRM LASER BEAM EMISSION. BE SURE TO OBSERVE FROM A DISTANCE OF MORE THAN 30cm FROM THE SURFACE OF THE OBJECTIVE LENS ON THE OPTICAL PICK-UP BLOCK.



- Caution: Invisible laser radiation when open and interlocks defeated avoid exposure to beam.
- Advarsel: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

VAROITUS!

Laiteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylitävälle näkymättömälle lasersäteilylle.

WARNING!

Om apparaten används på annat sätt än vad som specificeras i denna bruksanvisning, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

ATTENTION

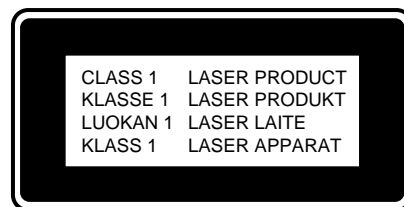
L'utilisation de commandes, réglages ou procédures autres que ceux spécifiés peut entraîner une dangereuse exposition aux radiations.

ADVARSEL!

Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.

This Compact Disc player is classified as a CLASS 1 LASER product.

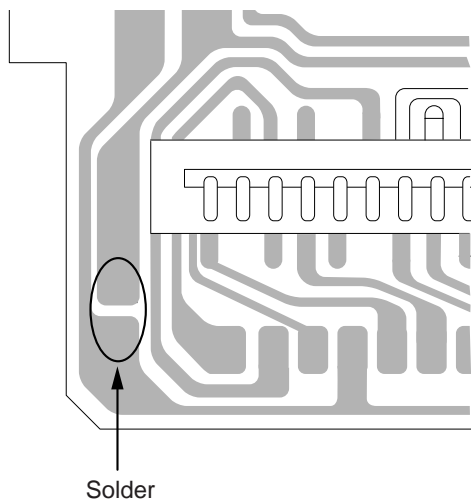
The CLASS 1 LASER PRODUCT label is located on the rear exterior.



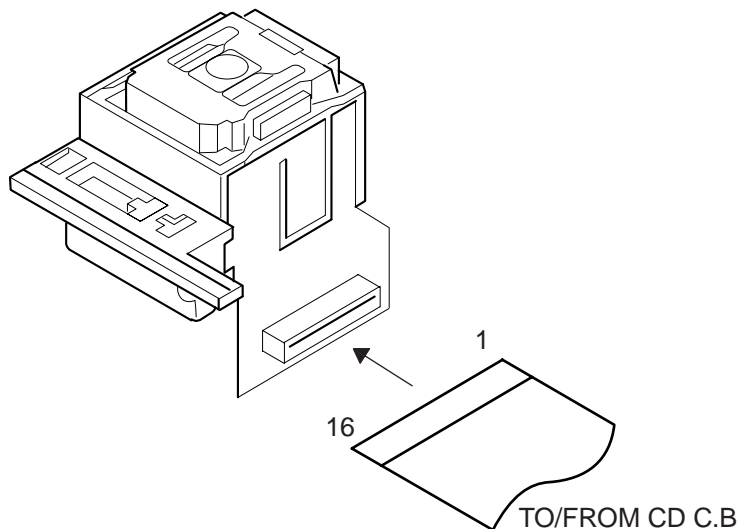
Precaution to replace Optical block (SF-P101NR)

Body or clothes electrostatic potential could ruin laser diode in the optical block. Be sure ground body and workbench, and use care the clothes do not touch the diode.

- 1) After the connection, remove solder shown in the right figure.



PICK UP ASSY
SF-P101NR



ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
IC				C809	87-010-405-080		CAP, ELECT 10-50V
	87-A20-955-010	IC,LA1828		C810	87-010-401-080		CAP, ELECT 1-50V
	87-A21-064-010	IC,LA4227		C811	87-010-178-080		CHIP CAP 1000P
	87-A21-520-040	C-IC,M61509FP		C812	87-010-178-080		CHIP CAP 1000P
	87-A20-446-010	C-IC,LA9241ML		C816	87-010-180-080		C-CER 1500P
	87-A20-459-010	C-IC,LC78622ED		C817	87-010-180-080		C-CER 1500P
	87-A21-093-010	IC,LA6541D		C821	87-010-401-080		CAP, ELECT 1-50V
	8A-CD9-610-010	C-IC,LC865516A-5P16		C822	87-010-401-080		CAP, ELECT 1-50V
	87-A20-650-010	IC,RPM6938-V11<A170 LH<S>>		C823	87-010-178-080		CHIP CAP 1000P
	87-A21-431-010	IC,BA4560N		C824	87-010-178-080		CHIP CAP 1000P
TRANSISTOR				C829	87-010-178-080		CHIP CAP 1000P
	89-327-143-080	TR,2SC2714 (0.1W)		C830	87-010-178-080		CHIP CAP 1000P
	87-026-447-080	TR,2SC1740S R		C833	87-018-195-080		CAP, CER 1200P-16V
	87-026-463-080	TR,2SA933S (0.3W)		C834	87-010-248-080		CAP, ELECT 220-10V
	87-026-213-080	CHIP-TR,DTC114YK		C835	87-010-322-080		C-CAP,S 100P-50 CH
	89-112-965-080	TR,2SA1296 (0.75W)		C836	87-010-322-080		C-CAP,S 100P-50 CH
	87-026-291-080	TR,DTC124XS		C843	87-010-197-080		CAP, CHIP 0.01 DM
	89-213-702-010	TR,2SB1370 (1.8W)		C844	87-018-124-080		CAP, CER 270P-50V
	87-026-462-080	TR,2SC1740 S(RS 0.3W)		C845	87-010-178-080		CHIP CAP 1000P
	89-318-154-080	TR,2SC1815 (0.4W)		C846	87-010-263-080		CAP, ELECT 100-10V
	89-109-332-380	TR,2SA933RS		C851	87-010-186-080		CAP,CHIP 4700P
	89-113-187-080	TR,2SA1318TU		C852	87-010-178-080		CHIP CAP 1000P
	87-026-295-080	TR,DTC144TK		C853	87-018-211-080		CAP, CER 0.01-50<A170 LH<S>>
	87-026-237-080	CHIP-TR,DTC124XK<A170 LH<S>>		C853	87-A11-145-080		CAP,TC U 0.01-50 Z F<A110 U<S>>
	89-317-403-080	TR,2SC1740S		CN201	87-099-018-010		CONN,16P
	87-026-239-080	TR,DTC114TK (0.2W)		CN801	87-A60-110-010		CONN,4P V S2M-4W
	87-026-464-080	TR,DTC114TS (0.3W)		CNA302	8A-CDA-629-010		CONN ASSY,6P MA-TU
DIODE				CNA801	8A-CD9-630-010		CONN ASSY, 4P RPH
	87-020-465-080	DIODE,1SS133 (110MA)		L801	87-007-342-010		COIL,OSC 85K BIAS
	87-A40-128-080	C-VARI-CAP,HVU202A		SW801	8Z-CD9-609-010		SW,SL 1-6-2 PS62D01
	87-027-399-080	ZENER,HZ7A3L (200MA)<A170 LH<S>>		CD C.B			
	87-A40-509-080	ZENER,MTZJ6.8C<A110 U<S>>		C30	87-010-260-080		CAP, ELECT 47-25V
	87-070-345-080	DIODE,IN4148		C261	87-010-402-080		CAP, ELECT 2.2-50V
	87-A40-648-080	ZENER,MTZJ8.2A		C262	87-010-402-080		CAP, ELECT 2.2-50V
	87-017-978-080	DIODE,IN4003		C263	87-010-178-080		CHIP CAP 1000P
	87-017-932-080	ZENER,MTJ6.2B<A110 U<S>>		C264	87-010-178-080		CHIP CAP 1000P
	87-A40-465-010	DIODE,FR202		C265	87-010-263-080		CAP, ELECT 100-10V
MAIN C.B				C266	87-010-263-080		CAP, ELECT 100-10V
	C211	87-A11-603-080	CAP, S 0.15-16<A170 LH<S>>	C267	87-010-112-080		CAP, ELECT 100-16V
	C212	87-A11-603-080	CAP, S 0.15-16<A170 LH<S>>	C268	87-010-112-080		CAP, ELECT 100-16V
	C215	87-016-460-080	C-CAP,S 0.22-16 B	C271	87-010-237-080		CAP, ELECT 1000-16V
	C216	87-016-460-080	C-CAP,S 0.22-16 B	C272	87-010-237-080		CAP, ELECT 1000-16V
	C231	87-010-213-080	C-CAP,S 0.015-50 B	C278	87-010-405-080		CAP, ELECT 10-50V
	C232	87-010-213-080	C-CAP,S 0.015-50 B	C279	87-010-385-080		CAP, ELECT 220-25V
	C233	87-A10-201-080	C-CAP,S0.33-16 KB	C301	87-016-495-000		CAP,E 3300-25 M SMG
	C234	87-A10-201-080	C-CAP,S0.33-16 KB	C306	87-010-404-080		CAP, ELECT 4.7-50V
	C235	87-016-669-080	C-CAP,S 0.1-25 K B	C307	87-010-401-080		CAP, ELECT 1-50V
	C236	87-016-669-080	C-CAP,S 0.1-25 K B	C308	87-010-221-080		CAP, ELECT 470-10V
	C237	87-010-371-080	CAP, ELECT 470-6.3V	C311	87-010-263-080		CAP, ELECT 100-10V
	C239	87-010-197-080	CAP, CHIP 0.01 DM	C312	87-010-385-080		CAP, ELECT 220-25V
	C239	87-010-805-080	CAP, S 1-16<A110 U<S>>	C321	87-010-197-080		CAP, CHIP 0.01 DM
	C240	87-010-197-080	CAP, CHIP 0.01 DM	C322	87-010-263-080		CAP, ELECT 100-10V
	C240	87-010-805-080	CAP, S 1-16<A110 U<S>>	C325	87-010-405-080		CAP, ELECT 10-50V
	C247	87-010-401-080	CAP, ELECT 1-50V	C401	87-010-403-080		CAP, ELECT 3.3-50V
	C248	87-010-401-080	CAP, ELECT 1-50V	C402	87-010-197-080		CAP, CHIP 0.01 DM
	C310	87-010-248-080	CAP, ELECT 220-10V	C403	87-010-263-080		CAP, ELECT 100-10V
	C316	87-010-263-080	CAP,E 100-10	C404	87-010-248-080		CAP, ELECT 220-10V
	C317	87-010-197-080	CAP, CHIP 0.01 DM	C406	87-010-374-080		CAP, ELECT 47-10V
	C801	87-010-248-080	CAP, ELECT 220-10V	C407	87-010-178-080		CHIP CAP 1000P
	C805	87-012-365-080	C-CAP,S 0.027-25VBK	C408	87-010-198-080		CAP, CHIP 0.022
	C806	87-012-365-080	C-CAP,S 0.027-25VBK	C409	87-010-248-080		CAP, ELECT 220-10V
	C807	87-010-405-080	CAP, ELECT 10-50V	C410	87-010-263-080		CAP, ELECT 100-10V
	C808	87-010-405-080	CAP, ELECT 10-50V	C411	87-A11-177-080		C-CAP,S 0.15-16 K B
				C412	87-010-401-080		CAP, ELECT 1-50V
				C413	87-016-369-080		C-CAP,S 0.033-25 B K
				C414	87-010-405-080		CAP, ELECT 10-50V
				C416	87-010-545-080		CAP, ELECT 0.22-50V
				C417	87-012-157-080		C-CAP,S 330P-50 CH

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C418	87-010-213-080		C-CAP,S 0.015-50 B	CN401	87-A60-424-010		CONN,16P V TOC-B
C419	87-A11-608-080		C-CAP,S 0.33-25 K B	CN403	87-099-201-010		CONN,8P 6216 H
C420	87-016-369-080		C-CAP,S 0.033-25 B K	CN802	8A-CH4-687-010		CONN,4P V 2.5
C421	87-A11-177-080		C-CAP,S 0.15-16 K B	CNA205	8A-CD9-626-010		CONN ASSY, 2P DOOR
C422	87-010-184-080		CHIP CAPACITOR 3300P(K)	CNA402	8A-CDA-625-010		CONN ASSY,6P CD-ME
C423	87-010-992-080		C-CAP,S 0.047-25 B	CNA802	8A-CD9-631-010		CONN ASSY, 4P TP-ME
C424	87-A11-606-080		C-CAP,S 0.22-25 K B	L401	87-003-102-080		COLL, 10UH
C425	87-010-176-080		C-CAP,S 680P-50 SL	L404	87-003-152-080		COLL, 100UH
C426	87-A11-608-080		C-CAP,S 0.33-25 K B	R840	87-029-124-010		RES,FUSE 2.2-1/4
C428	87-010-197-080		CAP, CHIP 0.01 DM	SFR430	87-024-437-080		SFR100K,RH063EC
C429	87-010-186-080		CAP,CHIP 4700P	X401	8Z-CD5-633-010		VIB, CER16.93MHZ FCRL6.93M2
C430	87-012-156-080		C-CAP,S 220P-50 CH	FRONT C.B			
C431	87-010-545-080		CAP, ELECT 0.22-50V				
C432	87-010-374-080		CAP, ELECT 47-10V				
C433	87-010-401-080		CAP, ELECT 1-50V				
C434	87-010-184-080		CHIP CAPACITOR 3300P(K)				
C435	87-010-197-080		CAP, CHIP 0.01 DM	C601	87-010-313-080		CAP, CHIP 18P
C436	87-010-374-080		CAP, ELECT 47-10V	C602	87-010-315-080		C-CAP,S 27P-50 CH
C437	87-010-404-080		CAP, ELECT 4.7-50V	C603	87-010-319-080		C-CAP,S 56P-50 CH
C438	87-016-669-080		C-CAP,S 0.1-25 K B	C604	87-010-317-010		CHIP CAP,S 39P CH
				C605	87-010-264-040		CAP,E 100-10 5L
C439	87-010-178-080		CHIP CAP 1000P	C606	87-012-368-080		C-CAP,S 0.1-50 F
C441	87-010-197-080		CAP, CHIP 0.01 DM	C607	87-015-779-010		CHIP CAPACITOR, 0.01
C442	87-010-313-080		CAP, CHIP 18P	C608	87-010-415-080		CAP ELE SRE 10-50V<A110 U<S>>
C445	87-012-368-080		C-CAP,S 0.1-50 F	C608	87-010-405-080		CAP, ELECT 10-50V<A170 LH<S>>
C446	87-012-368-080		C-CAP,S 0.1-50 F	C609	87-010-400-080		CAP, ELECT 0.47-50V<A170 LH<S>>
C447	87-012-368-080		C-CAP,S 0.1-50 F	C609	87-010-493-080		CAP,E 0.47-50 GAS<A110 U<S>>
C448	87-010-315-080		C-CAP,S 27P-50 CH	C610	87-010-178-010		CAP, S 1000P-50<A170 LH<S>>
C450	87-012-140-080		CAP 470P	C611	87-A10-189-040		CAP,E 220-10
C451	87-012-156-080		C-CAP,S 220P-50 CH	C612	87-010-405-080		CAP, ELECT 10-50V<A170 LH<S>>
C455	87-010-247-080		CAP, ELECT 100-50V	C613	87-012-368-080		C-CAP,S 0.1-50 F
C457	87-010-312-080		C-CAP,S 15P-50 CH	C614	87-010-312-080		C-CAP,S 15P-50 CH
C458	87-010-312-080		C-CAP,S 15P-50 CH	CN601	87-099-033-010		16P 6216 H<A170 LH<S>>
C459	87-010-263-080		CAP, ELECT 100-10V	CN601	87-099-757-010		CONN,16P 9604S F<A110 U<S>>
C460	87-015-819-080		CAPACITOR,0.01	CN602	87-A60-079-010		CONN,08P H 9604S-08F<A110 U<S>>
C461	87-010-197-080		CAP, CHIP 0.01 DM	CN602	87-099-201-010		CONN,8P 6216 H<A170 LH<S>>
C462	87-010-248-080		CAP, ELECT 220-10V	CNA604	8A-CDA-623-010		CONN ASSY,7P KEY
C463	87-010-197-080		CAP, CHIP 0.01 DM	L601	87-003-102-080		COLL, 10UH
C465	87-010-404-080		CAP, ELECT 4.7-50V	LED602	88-CD6-630-010		LED,934ID RED
C466	87-012-368-080		C-CAP,S 0.1-50 F	LED608	88-CD6-630-010		LED,934ID RED
C467	87-010-263-080		CAP, ELECT 100-10V	LED610	88-CD6-631-010		LED,934GD GRN

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
C15	87-016-669-080	C-CAP,S 0.1-25 K B		VOLSEL C.B<A170 LH<S>>			
C16	87-010-178-080	CHIP CAP 1000P		△FC901	87-033-213-010		CLAMP,FUSE SMK<A170 LH<S>>
C17	87-016-669-080	C-CAP,S 0.1-25 K B		△FC902	87-033-213-010		CLAMP,FUSE SMK<A170 LH<S>>
C18	87-010-198-080	CAP, CHIP 0.022		△F901	87-035-347-010		FUSE,2.5A 250V T<A170 LH<S>>
C19	87-016-669-080	C-CAP,S 0.1-25 K B					
C20	87-010-400-080	CAP, ELECT 0.47-50V					
C21	87-010-403-080	CAP, ELECT 3.3-50V					
C26	87-012-358-080	C-CAP,S 0.47-10 F Z					
C27	87-012-358-080	C-CAP,S 0.47-10 F Z					
C28	87-010-992-080	C-CAP,S 0.047-25 B					
C29	87-010-992-080	C-CAP,S 0.047-25 B					
C30	87-010-248-080	CAP, ELECT 220-10V					
C31	87-010-379-080	CAP, ELECT 22-16V					
C36	87-010-263-080	CAP, ELECT 100-10V					
C38	87-010-197-080	CAP, CHIP 0.01 DM					
C51	87-010-197-080	CAP, CHIP 0.01 DM					
CF1	87-A90-128-010	FLTR,AM IF CFAL-455					
CF2	87-008-261-010	FILTER, SFE10.7MA5-A					
CF3	87-008-261-010	FILTER, SFE10.7MA5-A					
CN2	87-A60-116-010	CONN,6P H S2M-6WR					
L2	87-A50-560-010	COIL,FM BPF(ACD)					
L3	8A-CD9-660-010	BAR-ANT,MW 2B-ACD(COI)					
L4	87-A50-562-010	COIL,FM RF EX(ACD)					
L6	87-A50-337-010	COIL,AM OSC (TOKO)					
L7	87-A50-579-010	COIL,AM IFT(ACD)					
L8	87-A50-335-010	COIL,FM IFT (TOKO)					
L9	87-A50-577-010	COIL,FM DET(ACD)					
L10	87-005-849-080	COIL,10UH(CECS)					
S1	87-A91-548-010	SW,SL-2-3 SK23E01G06					
VC1	87-A91-167-010	TUN-CAP,20P-160P FA-22125 N000					
HP C.B							
CN204	87-A60-685-010	CONN,4P H WHT EH					
CN605	87-A60-117-010	CONN,7P H S2M-7WR					
CNA203	8A-CDA-628-010	CONN ASSY,4P MA-HP					
J251	87-A60-569-010	JACK,HTJ-035-18					
LED606	88-CD6-630-010	LED,934ID RED					
LED607	88-CD6-630-010	LED,934ID RED					
S606	87-A90-696-080	SW,TACT TS2103-03-430<A170 LH<S>>					
S607	87-A90-696-080	SW,TACT TS2103-03-430<A170 LH<S>>					
S608	87-A90-696-080	SW,TACT TS2103-03-430<A170 LH<S>>					
S614	87-A90-696-080	SW,TACT TS2103-03-430<A170 LH<S>>					
S615	87-A90-696-080	SW,TACT TS2103-03-430<A170 LH<S>>					
BATT1 C.B							
C901	87-010-192-080	C-CAP,S 0.022-50 F					
C902	87-010-192-080	C-CAP,S 0.022-50 F					
C903	87-010-192-080	C-CAP,S 0.022-50 F					
C904	87-010-192-080	C-CAP,S 0.022-50 F					
CNA901	8A-CDA-627-010	CONN ASSY,3P PWR					
△PR901	87-A90-092-080	PROTECTOR,2.5A 491<A170 LH<S>>					
SP901	87-CD6-213-010	SPR-C,BATT (-)					
SP902	87-CD6-213-010	SPR-C,BATT (-)					
BATT2 C.B							
SP903	87-CD6-213-010	SPR-C,BATT (-)					
SP904	87-CD6-213-010	SPR-C,BATT (-)					
MOTOR C.B							
M2	9X-262-576-910	MOTOR GEAR ASSY					
PIN3	91-564-722-110	CONNECTOR 6P					
SW1	91-572-085-120	LEAF SW					

- Regarding connectors, they are not stocked as they are not the initial order items.
The connectors are available after they are supplied from connector manufacturers upon the order is received.

○チップ抵抗部品コード／CHIP RESISTOR PART CODE

チップ抵抗部品コードの成り立ち

Chip Resistor Part Coding

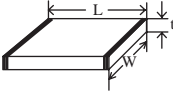
8 8 - □ □ □ □ □ □

A
抵抗部品コード
Resistor Code

桁表示
Figure

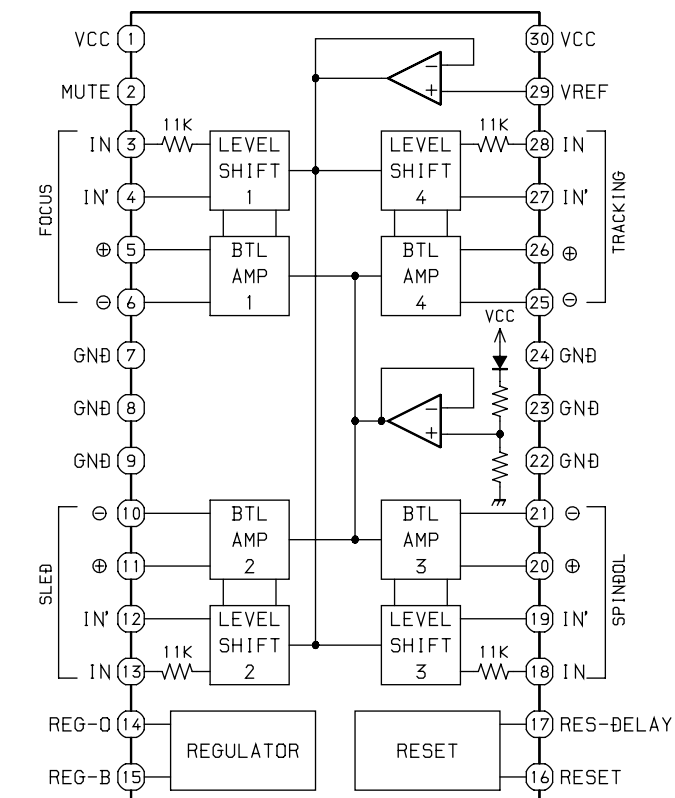
抵抗値
Value of resistor

チップ抵抗
Chip resistor

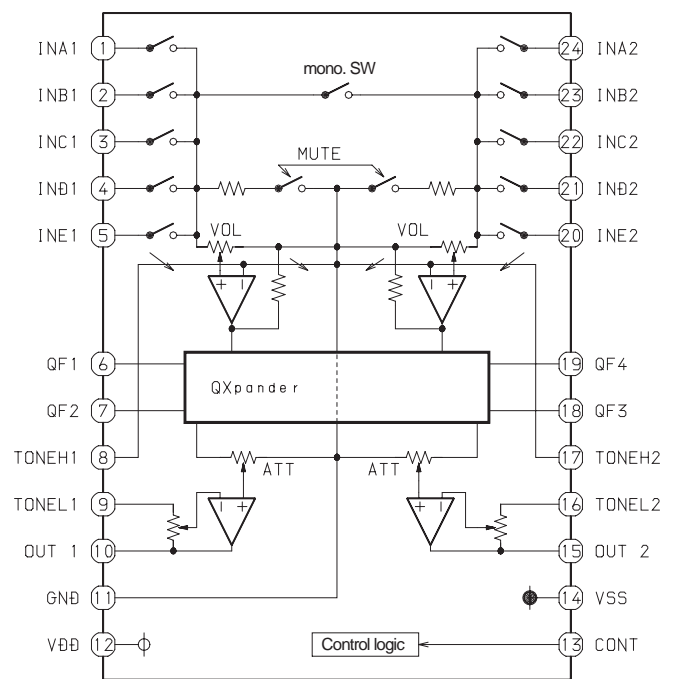
容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				抵抗コード : A Resistor Code : A
				外形／Form	L	W	t	
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

IC BLOCK DIAGRAM

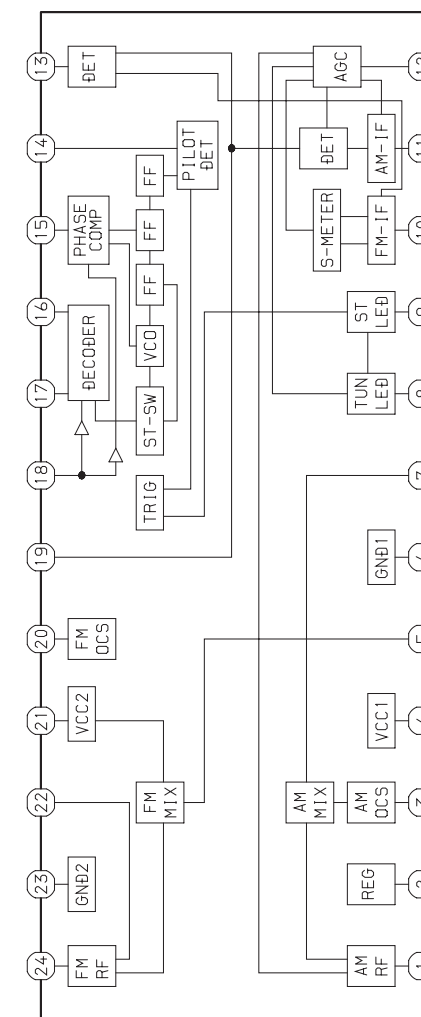
IC, LA6541D



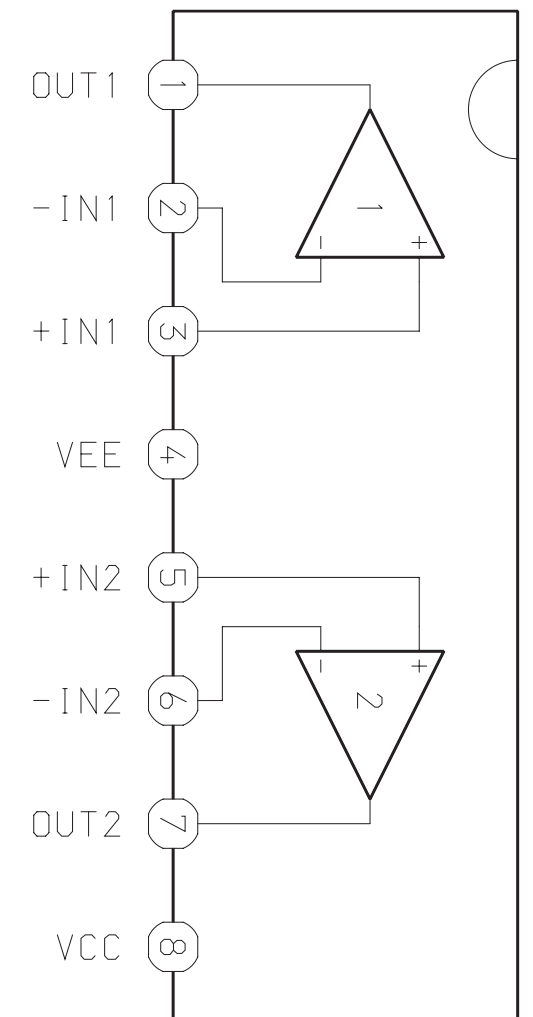
IC, M61509FP



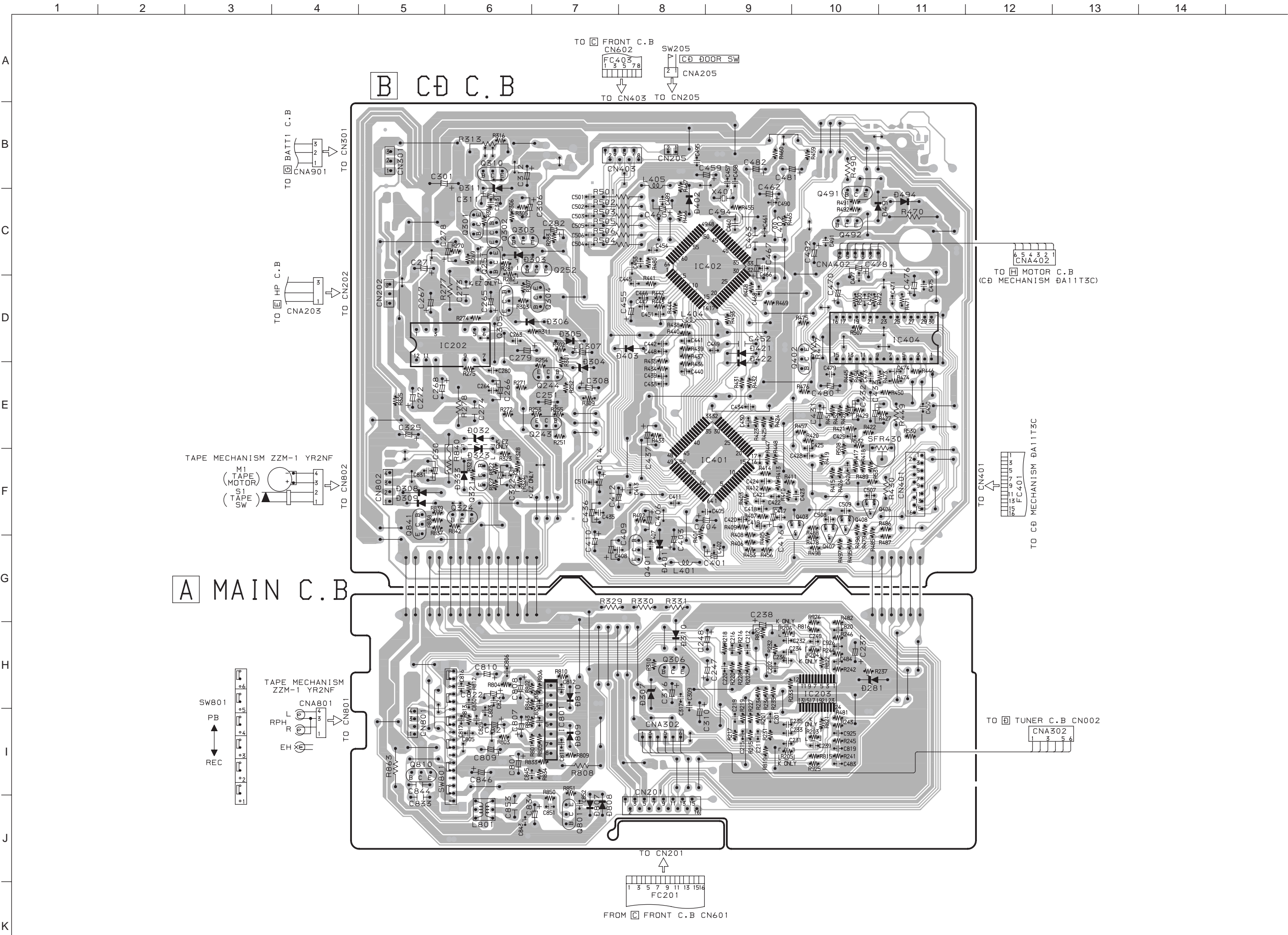
IC, LA1828



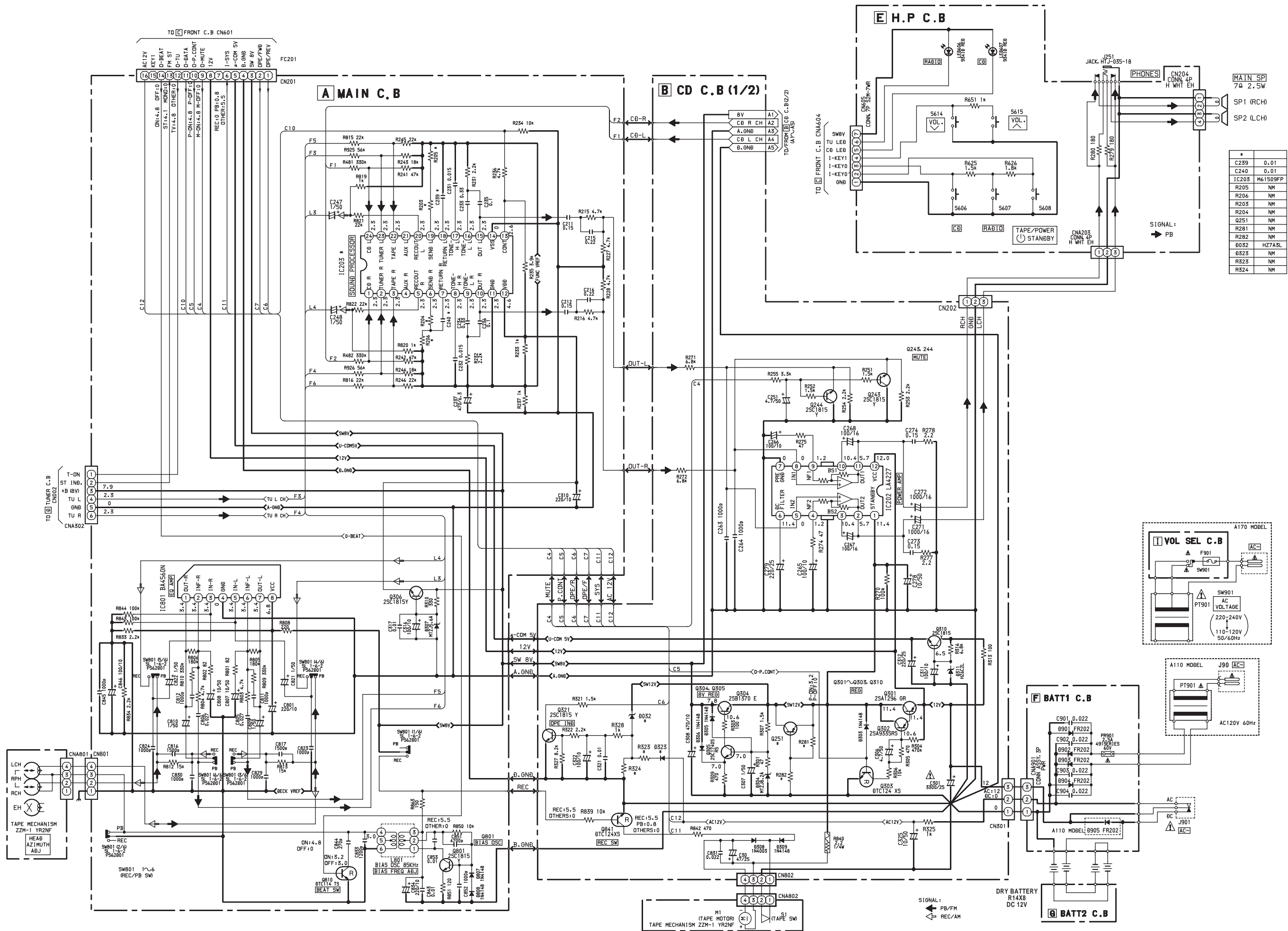
IC, BA4560N



WIRING-1 (MAIN/CD)

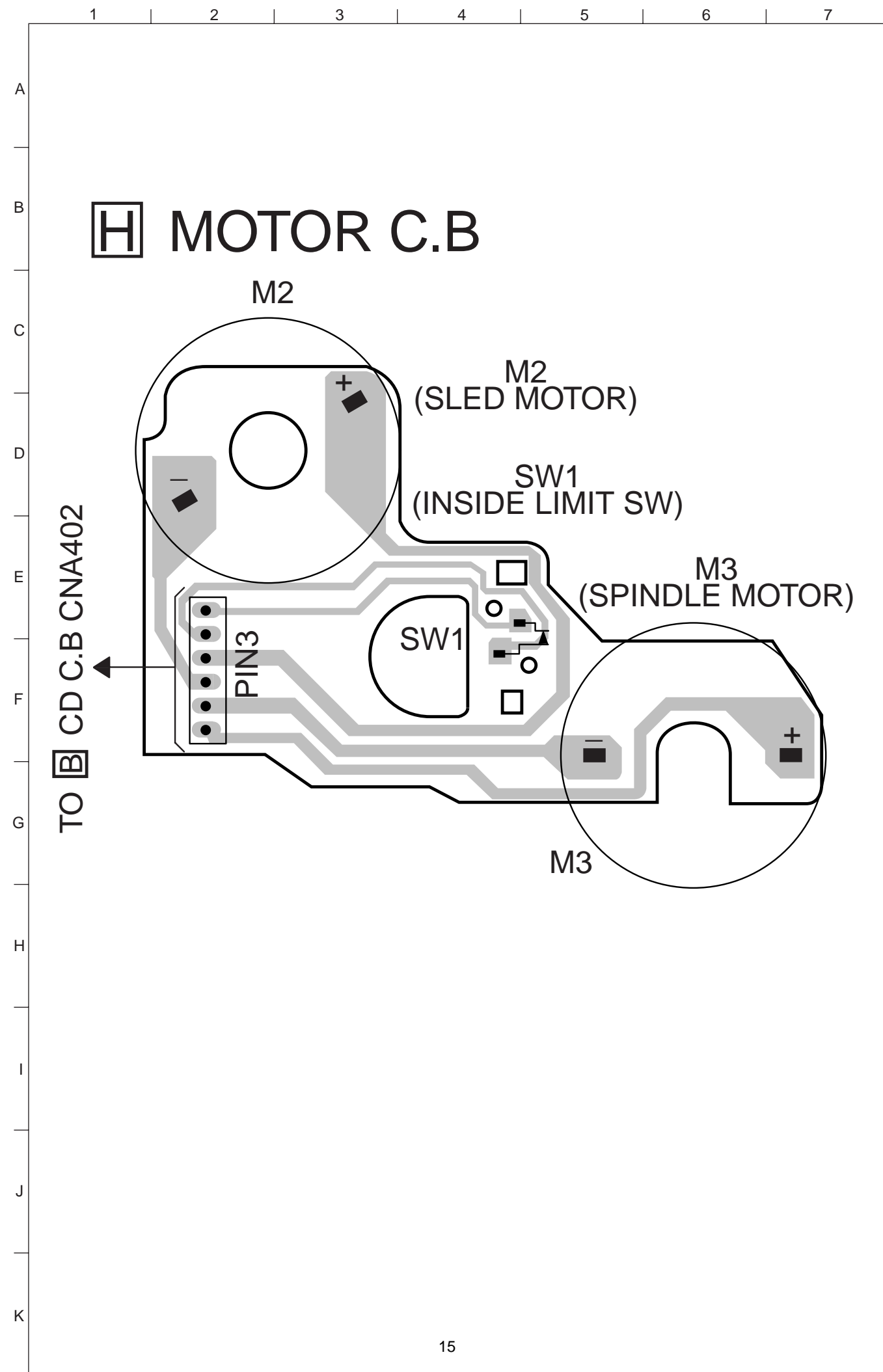


SCHEMATIC DIAGRAM-1 (MAIN)

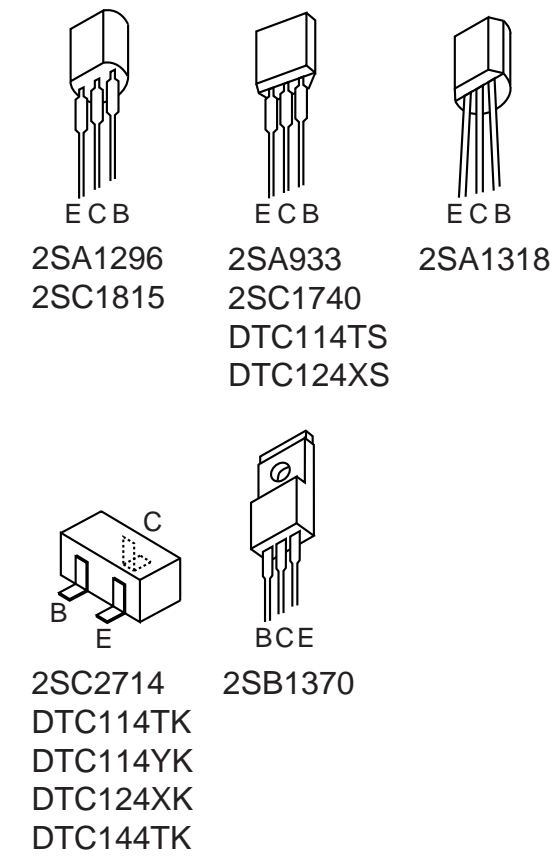


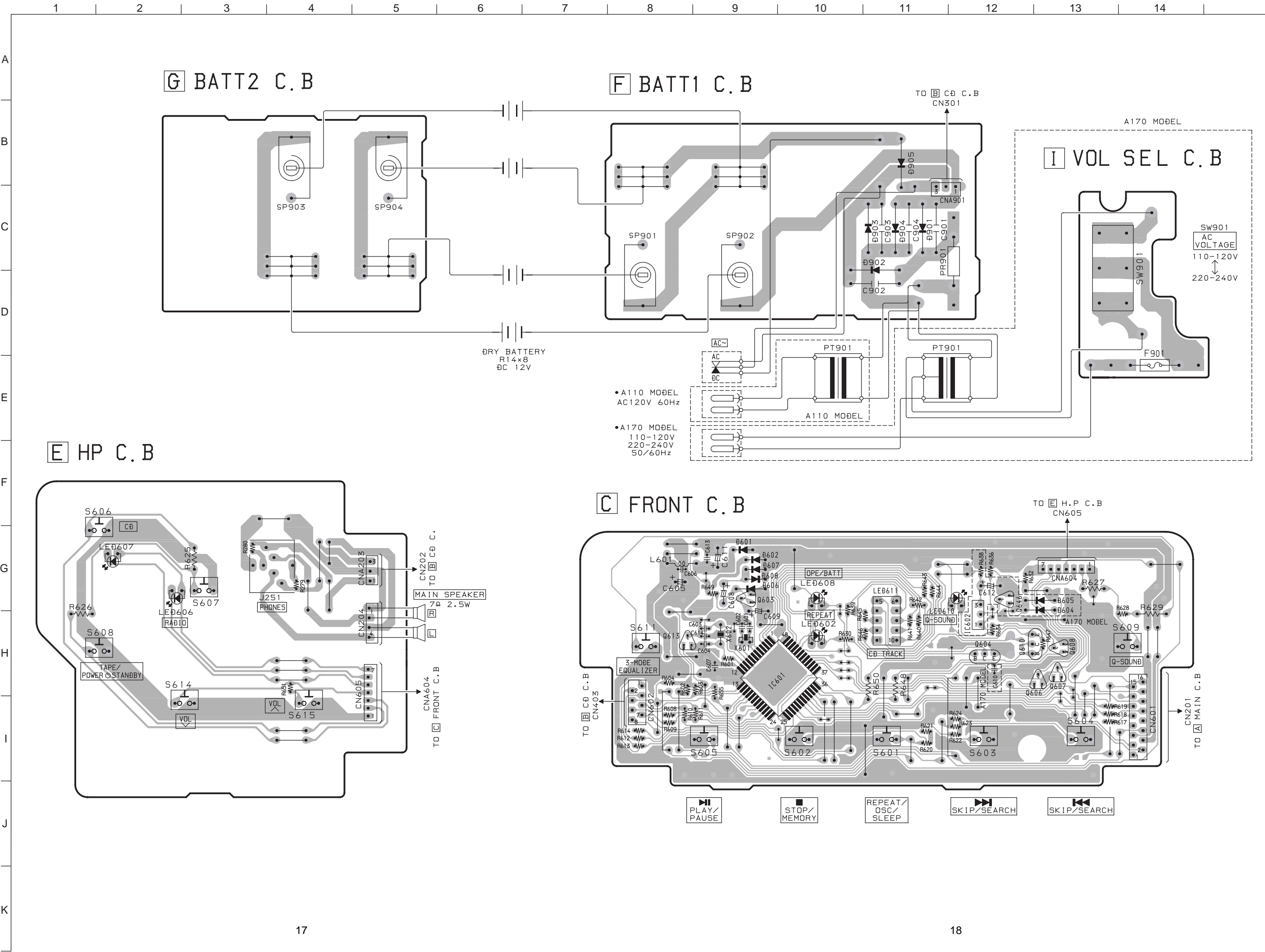


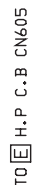
WIRING-2 (MOTOR)

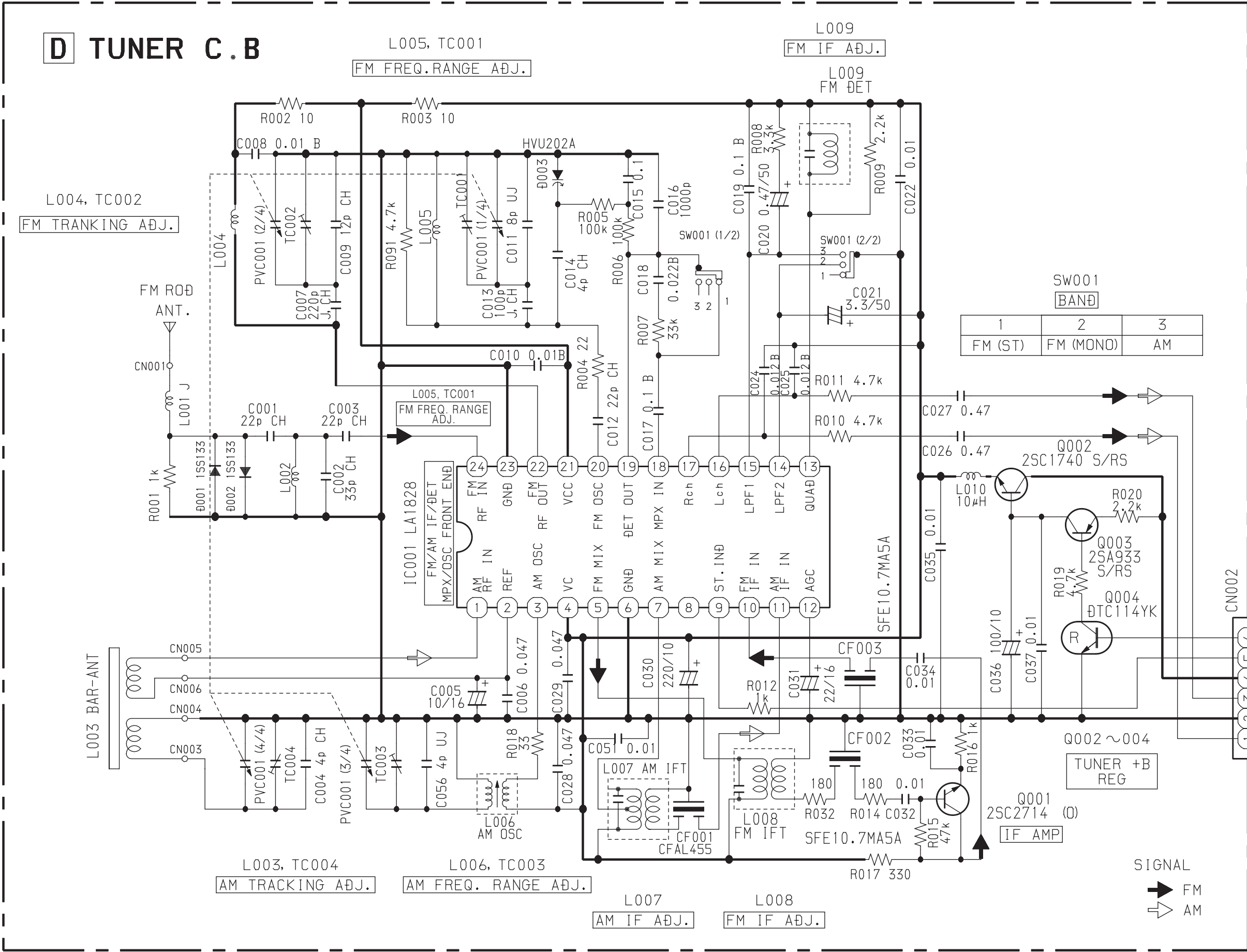


TRANSISTOR ILLUSTRATION

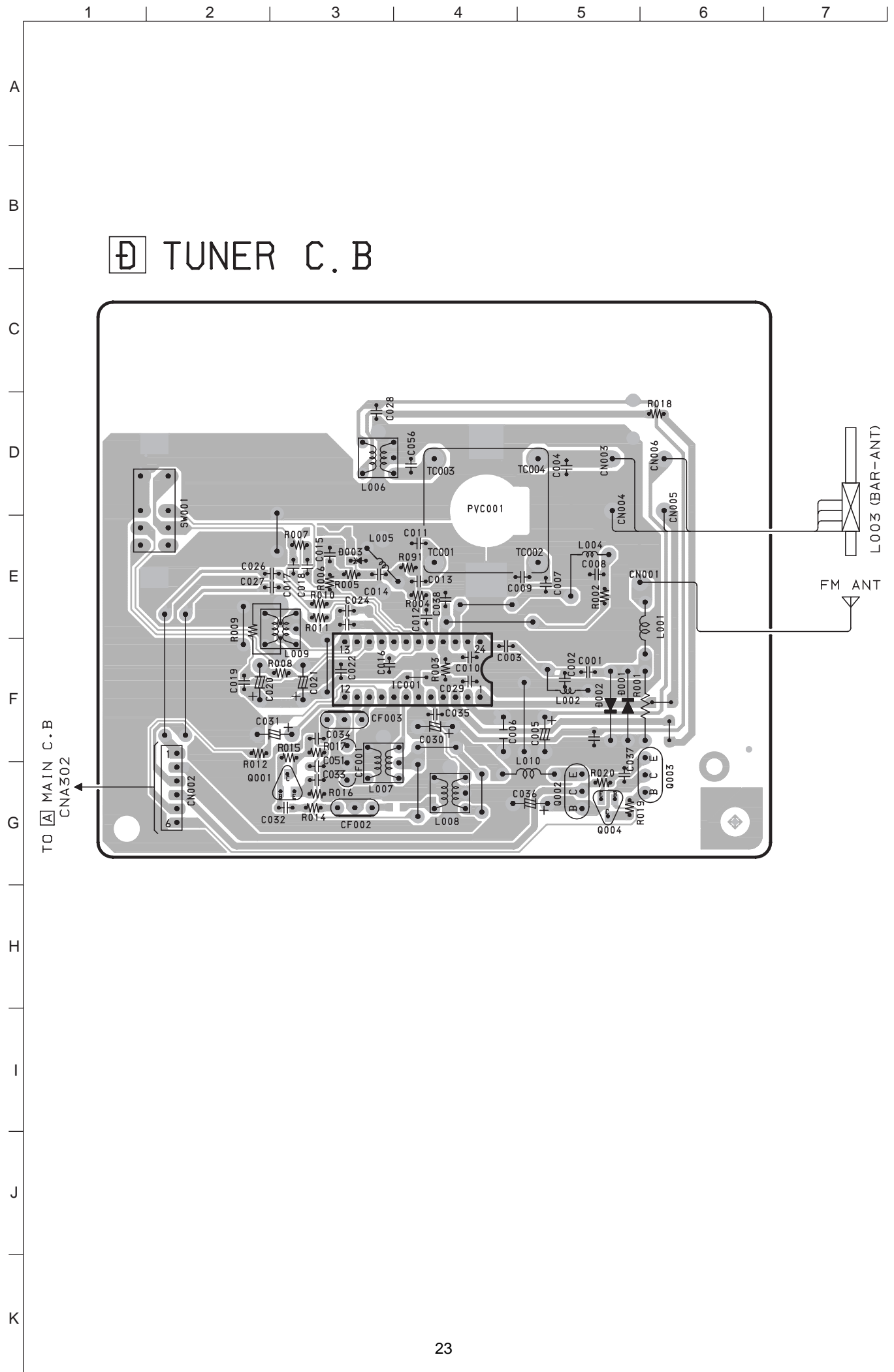




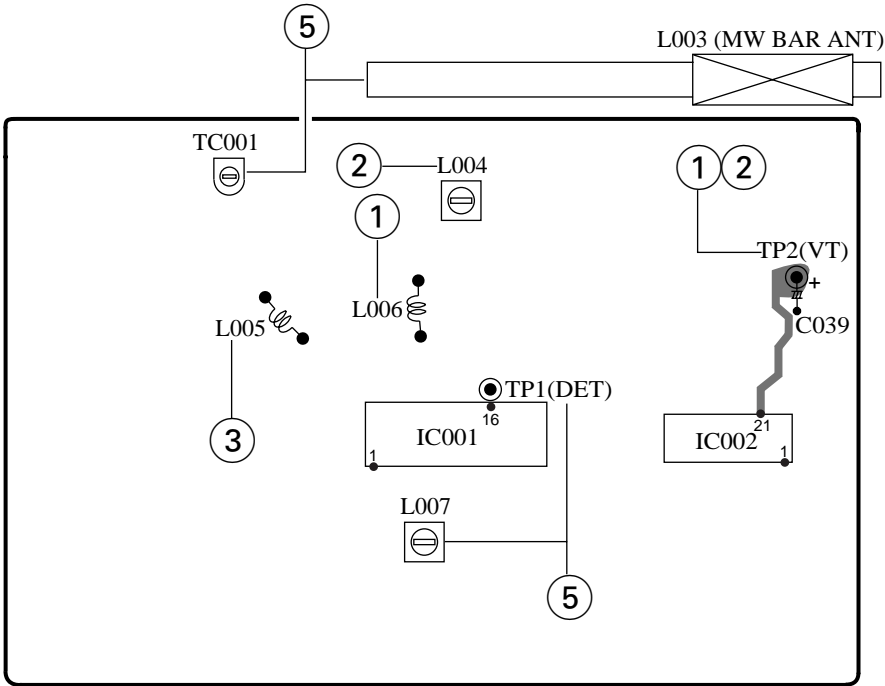




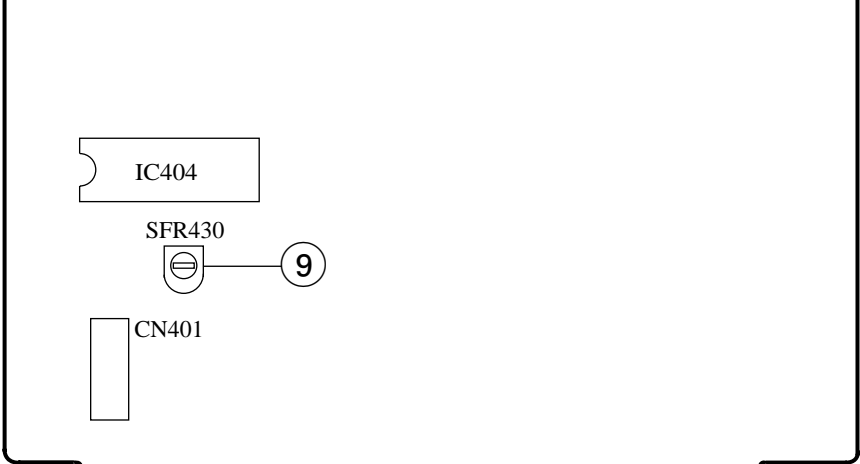
WIRING-4 (TUNER)



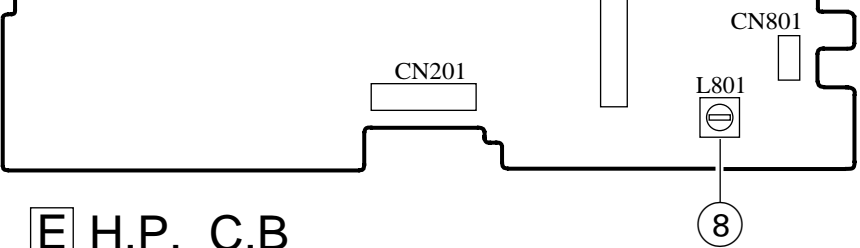
D TUNER C.B



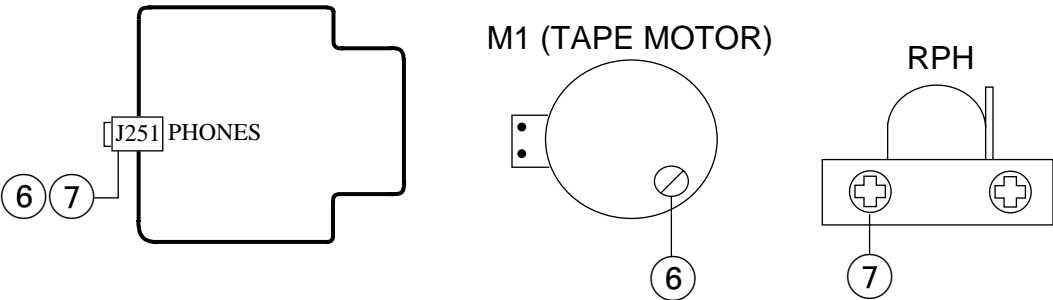
B CD C.B



A MAIN C.B



E H.P. C.B



< TUNER SECTION >

1. FM VT Adjustment
 Settings : • Test point : TP2(VT)
 • Adjustment location : L006
 Method : Set to FM 108.0MHz and adjust L006 so that the test point voltage becomes $6.0V \pm 0.05V$.
2. MW VT Adjustment
 Settings : • Test point : TP2(VT)
 • Adjustment location : L004
 Method : Set to MW 1000kHz (U), and adjust L004 so that the test point voltage becomes $3.75V \pm 0.05V$.
3. FM Tracking Adjustment
 L005.....98.0MHz
4. MW Tracking Adjustment
 L003.....600kHz
 TC001.....1400kHz
5. AM IF Adjustment
 Settings : • Test point : TP1(DET)
 • Adjustment location : L007
 Method : Adjust L007 so that the output level at 1400kHz becomes maximum.

< DECK SECTION >

6. Tape Speed Adjustment
 Settings : • Test tape : TTA-100
 • Test point : J251 (PHONES jack)
 • Adjustment location : SFR of deck motor
 Method : Play back the test tape and adjust SFR so that the frequency counter reads $3000Hz \pm 30Hz$.
7. Head Azimuth Adjustment
 Settings : • Test tape : TTA-320
 • Test point : J251 (PHONES jack)
 • Adjustment location : Azimuth adjustment screw
 Method : Play back the 8kHz signal of the test tape and adjust screw so that the output becomes maximum.
8. Bias frequency Adjustment
 L801..... $85kHz \pm 0.5kHz$

< CD SECTION >

9. FE Balance Adjustment
 Settings : • Test point : IC401 PIN58 (VR), IC401 PIN 20 (FE)
 • Adjustment location : SFR430
 Method : Playback the disc and adjust SFR430 so that the test point voltage becomes 0V.

PRACTICAL SERVICE FIGURE

< TUNER SECTION >

< FM SECTION >

Sensitivity:	Less than 19dB (88.0MHz)
(THD 3%)	Less than 18dB (98.0MHz)
	Less than 18dB (108.0MHz)
Signal to Noise Ratio:	More than 60dB (at 98.0MHz)
(Input 60dB)	
Distortion:	Less than 1.5% (at 98.0MHz)
(Input 60dB)	
Intermediate frequency:	10.7MHz $\pm 0.1MHz$
Stereo separation:	More than 22dB

< AM SECTION >

Sensitivity:	Less than 45dB (at 600kHz)
(S/N 10dB)	Less than 45dB (at 1000kHz)
	Less than 45dB (at 1400kHz)
Distortion:	Less than 1.5%
(Input 74dB)	
Intermediate frequency:	455kHz $\pm 3.5kHz$

< CASSETTE SECTION >

Tape speed:	3000Hz $\pm 3\%$ -2%
Wow & flutter:	Less than 0.35% (JIS RMS)
S/N ratio:	More than 35dB
Distortion:	Less than 3.0% (PB)
Noise (PB):	Less than 1mV (DC, MIN)
	Less than 1.2mV (AC, MIN)
Erasing Ratio (W/O FILTER):	More than 45dB

IC DESCRIPTION

IC, LA9241ML

Pin No.	Pin Name	I/O	Description
1	FIN2	I	Pin to which external pickup photo diode is connected. RF signal is created by adding with the FIN1 pin signal. FE signal is created by subtracting from the FIN1 pin signal.
2	FIN1	I	Pin to which external pickup photo diode is connected.
3	E	I	Pin to which external pickup photo diode is connected. TE signal is created by subtracting from the F pin signal.
4	F	I	Pin to which external pickup photo diode is connected.
5	TB	I	DC component of the TE signal is input.
6	TE-	I	Pin to which external resistor setting the TE signal gain is connected between the TE pin.
7	TE	O	TE signal output pin.
8	TESI	I	TES “Track Error Sense” comparator input pin. TE signal is passed through a band-pass filter then input.
9	SCI	I	Shock detection signal input pin.
10	TH	I	Tracking gain time constant setting pin.
11	TA	O	TA amplifier output pin.
12	TD-	I	Pin to which external tracking phase compensation constants are connected between the TD and VR pins.
13	TD	I	Tracking phase compensation setting pin.
14	JP	I	Tracking jump signal (kick pulse) amplitude setting pin.
15	TO	O	Tracking control signal output pin.
16	FD	O	Focusing control signal output pin.
17	FD-	I	Pin to which external focusing phase compensation constants are connected between the FD and FA pins.
18	FA	I	Pin to which external focusing phase compensation constants are connected between the FD- and FA- pins.
19	FA-	I	Pin to which external focusing phase compensation constants are connected between the FA and FE pins.
20	FE	O	FE signal output pin.
21	FE-	I	Pin to which external FE signal gain setting resistor is connected between the FE pin.
22	AGND	—	Analog signal GND.
23	SP	O	Signal ended output of the CV+and CV- pin input signal.
24	SPI	I	Spindle amp input.
25	SPG	I	Pin to which external spindle gain setting resistor in 12 cm mode is connected.
26	SP-	I	Pin to which external spindle phase compensation constants are connected together with SPD pin.
27	SPD	O	Spindle control signal output pin.
28	SLEQ	I	Pin to which external sled phase compensation constants are connected.
29	SLD	O	Sled control signal output pin.
30, 31	SL-, SL+	I	Sled advance signal input pin from microprocessor.
32, 33	JP-, JP+	I	Tracking jump signal input pin from DSP.
34	TGL	I	Tracking gain control signal input from DSP. Low gain when TGL = H.
35	TOFF	I	Tracking off control signal input pin from DSP. Off when TOFF = H.

Pin No.	Pin Name	I/O	Description
36	TES	O	Pin from which TES signal is output to DSP.
37	HFL	O	“High Frequency Level” is used to judge whether the main beam position is on top of bit or on top of mirror.
38	SLOF	I	Sled servo off control input pin.
39, 40	CV–, CV+	I	CLV error signal input pin from DSP.
41	RFSM	O	RF output pin.
42	RFS-	I	RF gain setting and EFM signal 3T compensation constant setting pin together with RFSM pin.
43	SLC	O	“Slice Level Control” is the output pin which controls the RF signal data slice level by DSP.
44	SLI	I	Input pin which control the data slice level by the DSP.
45	DGND	—	Digital system GND.
46	FSC	O	Output pin to which external focus search smoothing capacitor is connected.
47	TBC	I	“Tracking Balance Control” EF balance variable range setting pin.
48	NC	—	No connection.
49	DEF	O	Disc defect detector output pin.
50	CLK	I	Reference clock input pin. 4.23 MHz of the DSP is input.
51	CL	I	Microprocessor command clock input pin.
52	DAT	I	Microprocessor command data input pin.
53	CE	I	Microprocessor command chip enable input pin.
54	DRF	O	“Detect RF” RF level detector output.
55	FSS	I	“Focus Search Select” focus search mode (\pm search/+ search) select pin.
56	VCC2	—	Servo system and digital system Vcc pin.
57	REFI	—	Pin to which external bypass capacitor for reference voltage is connected.
58	VR	O	Reference voltage output pin.
59	LF2	I	Disc defect detector time constant setting pin.
60	PH1	I	Pin to which external capacitor for RF signal peak holding is connected.
61	BH1	I	Pin to which external capacitor for RF signal bottom holding is connected.
62	LDD	O	APC circuit output pin.
63	LDS	I	APC circuit input pin.
64	VCC1	—	RF system Vcc pin.

IC, LC78622ED

Pin No.	Pin Name	I/O	Description	
1	DEFI	I	Defect sense signal (DEF) input pin. (Connect to 0V when not used).	
2	TAI	I	For PLL.	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.
3	PDO	O		Phase comparator output pin to control external VCO.
4	VVSS	—		GND pin for built-in VCO. Be sure to connect to 0V.
5	ISSET	I		Pin to which external resistor adjusting the PDO output current.
6	VVDD	—		Power supply pin for built-in VCO.
7	FR	I		Pin for VCO frequency range adjustment.
8	VSS	—	Digital system GND. Be sure to connect to 0V.	
9	EFMO	O	For slice level control.	EFM signal output pin.
10	EFMIN	I		EFM signal input pin.
11	T2	I	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.	
12, 13	CLV+, CLK-	O	Disc motor control output. Three level output is possible using command.	
14	$\overline{V/P}$	O	Rough servo or phase control automatic selection monitoring output pin. Rough servo at H. Phase servo at L.	
15	HFL	I	Track detect signal input pin. Schmidt input.	
16	TES	I	Tracking error signal input pin. Schmidt input.	
17	TOFF	O	Tracking OFF output pin.	
18	TGL	O	Tracking gain selection output pin. Gain boost at L.	
19, 20	JP+, JP-	O	Track jump control signal output pin. Three level output is possible using command.	
21	PCK	O	EFM data playback clock monitoring pin 4.3218 MHz when phase is locked in.	
22	FSEQ	O	Sync signal detection output pin. H when the sync signal which is detected from EFM signal and the sync signal which is internally generated agree.	
23	VDD	—	Digital system power supply pin.	
24	SL+	O	Moves the sled to outer circumference.	
25	SL-	O	Moves the sled to inner circumference.	
26	—	—	Not connected.	
27	PUIN	I	CD pickup inner switch detection.	
28	\overline{RW}	O	Read, write signal.	
29	EMPH	O	De-emphasis monitor output pin. De-emphasis disc is being played back at H.	
30	C2F	O	C2 flag output pin.	
31	DOUT	O	DIGITAL OUT output pin. (EIAJ format).	
32, 33	T3, T4	I	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.	
34	N.C.	—	Not used. Set the pin to open.	
35	MUTEL	O	L-channel 1-bit DAC.	L-channel mute output pin.
36	LVDD	—		L-channel power supply pin.
37	LCHO	O		L-channel output pin.
38	LVSS	—		L-channel GND. Be sure to connect to 0V.
39	RVSS	—	R-channel 1-bit DAC.	R-channel GND. Be sure to connect to 0V.
40	RCHO	O		R-channel output pin.
41	RVDD	—		R-channel power supply pin.
42	MUTER	O		R-channel mute output pin.

Pin No.	Pin Name	I/O	Description
43	XVDD	—	Crystal oscillator power supply pin.
44	XOUT	O	Pin to which external 16.9344 MHz crystal oscillator is connected.
45	XIN	I	
46	XVSS	—	Crystal oscillator GND pin. Be sure to connect to 0V.
47	SBSY	O	Subcode block sync signal output pin.
48	EFLG	O	C1, C2, single and dual correction monitoring pin.
49	PW	O	Subcode P, Q, R, S, T, U and W output pin.
50	SFSY	O	Subcode frame sync signal output pin. Falls down when subcode enters standby.
51	SBCK	I	Subcode read clock input pin. Schmidt input. (Be sure to connected to 0V when not in use.)
52	FSX	O	Pin outputting the 7.35 kHz sync signal which is generated by dividing frequency of crystal oscillator.
53	WRQ	O	Subcode Q output standby output pin.
54	RWC	I	Read/write control input pin. Schmidt input.
55	SQOUT	O	Subcode Q output pin.
56	COIN	I	Command input pin from microprocessor.
57	$\overline{\text{CQCK}}$	I	Command input read clock or subcode read input clock from SQOUT pin
58	RES	I	LC78622 reset input pin. Set this pin to L once when the main power is turned on.
59	T11	O	Test signal output pin. Use this pin as open (normally L output).
60	16M	O	16.9344 MHz output pin.
61	4.2M	O	4.2336 MHz output pin.
62	T5	I	Test signal input pin with built-in pull-down resistor. Be sure to connect to 0V.
63	$\overline{\text{CS}}$	I	Chip select signal input pin with built-in pull-down resistor. Be sure to connect to 0V while it is not controlling.
64	T1	I	Test signal input pin without built-in pull-down resistor. Be sure to connect to 0V.

IC, LC865516A-5P16

Pin No.	Pin Name	I/O	Description
1	$\overline{\text{SEG E}}$	O	SEG E control.
2	$\overline{\text{SEG F}}$	O	SEG F control.
3	$\overline{\text{SEG G}}$	O	SEG G control.
4	NC	—	Not connected.
5	I-RES	I	Micro processor reset input
6	XT(IN)	I	Connected to an external 32.768 kHz crystal oscillator.
7	NC	—	Not connected.
8	XT2(OUT)	O	Connected to an external 32.768 kHz crystal oscillator.
9	VSS	—	GND.
10	CF1(IN)	I	Connected to an external 5.76 MHz ceramic filter.
11	CF2(OUT)	O	Connected to an external 5.76 MHz ceramic filter.
12	VDD	—	Microprocessor power supply (+5V).
13	I-KEY0	I	Key AD input. (AD)
14	I-KEY1	I	Key AD input. (AD)
15	I-MOTOR	I	Deck status input. (AD)
16	I-CD SW	I	CD door switch status input.
17	O-SHIFT	O	Main clock shift output.
18	NC	—	Not connected.
19	O-BASS LED	O	BASS LED ON/OFF control output. (Not connected)
20	O-QS LED	O	Q sound LED ON/OFF control output. (Not connected)
21	O-SFT LED	—	Not connected.
22	I-DRF	I	CD RF level detection input.
23	I-WRQ	I	CD subcode Q standby input.
24	NC	—	Not connected.
25	I-REM	—	Remote control input.
26	O-CD ON	O	CD power control output.
27	O-TU ON	O	TU power control output.
28	O-P.CONT	O	The main power supply control output.
29	NC	—	Not connected.
30	O-BEAT	O	Beat control.
31	O-MUTE	O	Main mute output.
32	O-DIGIT	O	7-segment LED power supply control output.
33	O-SEG RPEAT	O	REPEAT LED ON/OFF control output.
34	O-COIN	O	CD command output.
35	I-SQOUT	I	CD subcode Q input.
36	O-CQCK	O	CD command/CLK for subcode.
37	O-WRC	O	CD read/write control output.
38	O-DATA	O	Data output to M62349FP.
39	O-CD LED	O	LED ON/OFF control output for the CD function.
40	O-TU LED	O	LED ON/OFF control output for the TU function.
41	O-TA LED	O	LED ON/OFF control output for the TA function. (Not connected)

Pin No.	Pin Name	I/O	Description
42	NC	—	Not connected.
43	$\overline{\text{SEG DP}}$	O	SEG DP control.
44	$\overline{\text{SEG A}}$	O	SEG A control.
45	$\overline{\text{SEG B}}$	O	SEG B control.
46	$\overline{\text{SEG C}}$	O	SEG C control.
47	$\overline{\text{SEG D}}$	O	SEG D control.
48	NC	—	Not connected.

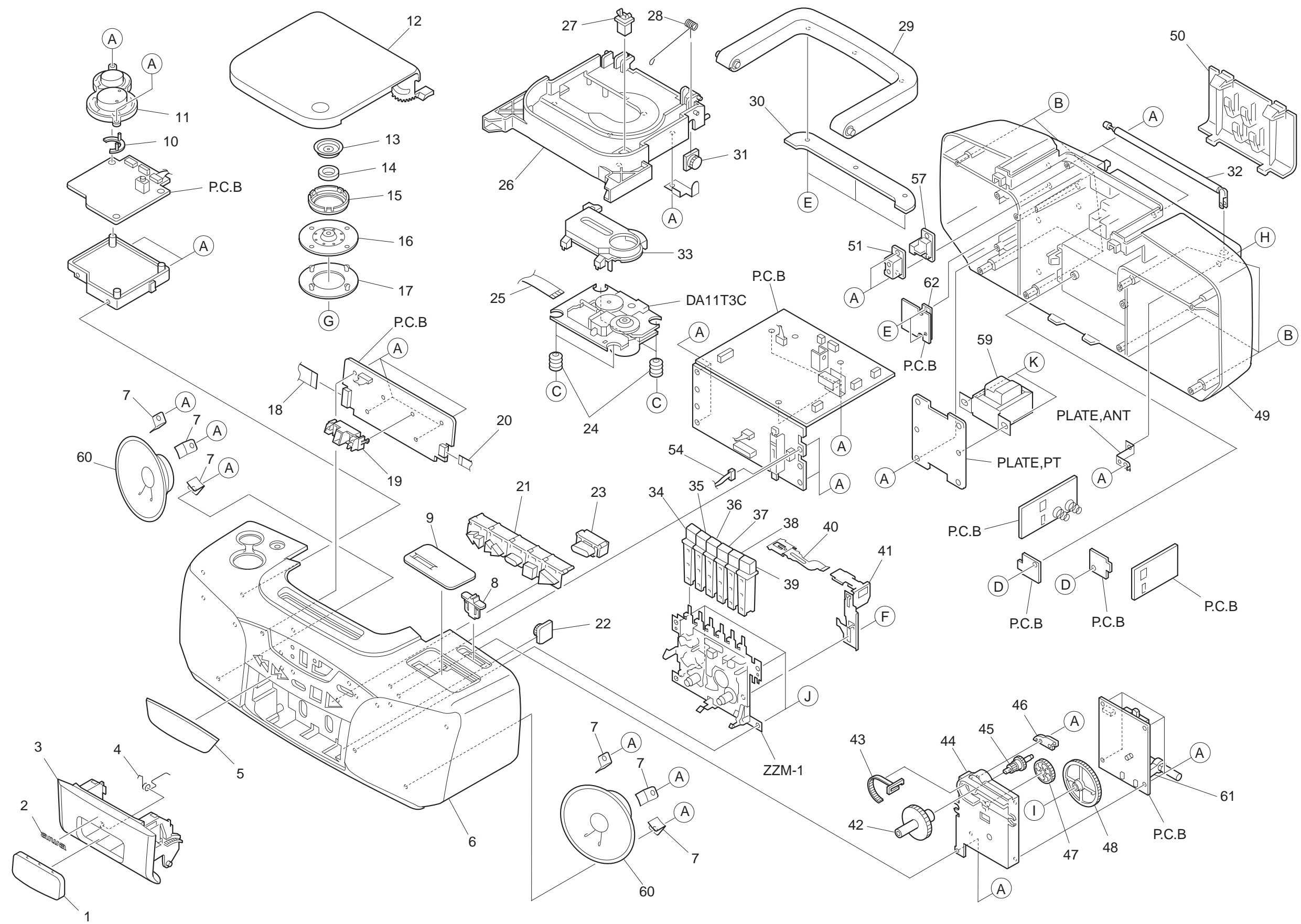
MECHANICAL PARTS LIST 1/1

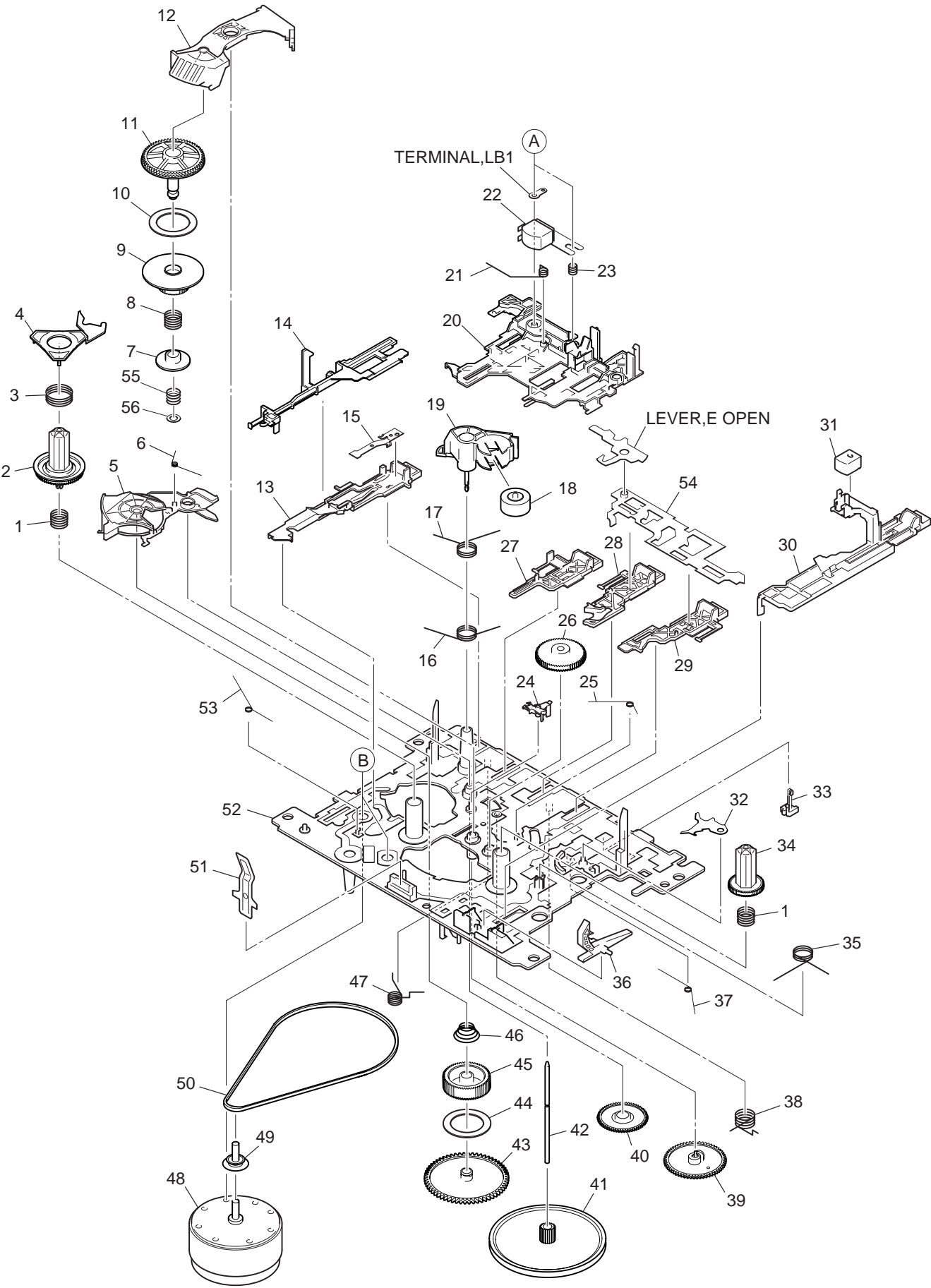
DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8A-CDA-006-010		WINDOW,CASS	40	8A-CDA-221-010		SPR-P,REC
2	87-B00-010-010		BADGE,AIWA 30.5-5.2 S 2.5L	41	8A-CDA-220-010		PLATE,REC
3	8A-CDA-003-010		LID,CASS	42	8A-CDA-021-010		KNOB,RTRY TU
4	8A-CDA-212-010		SPR-T,CASS	43	8A-CDA-013-010		POINTER,TU
5	8A-CDA-008-010		WINDOW,LED<A110 U<S>>	44	8A-CDA-201-010		HLDR,TU
5	8A-CDL-031-010		WINDOW,LED<A170 LH<S>>	45	8A-CDA-216-010		GEAR,TU B
6	8A-CDA-028-010		CABI ASSY,FRONT	46	8A-CDA-203-010		GUIDE,GEAR
7	8A-CDA-206-010		HLDR,SPKR	47	8A-CDA-202-010		GEAR,RELAY
8	8A-CDA-020-010		KNOB,SL BAND	48	8A-CDA-215-010		DRUM,TU
9	8A-CDA-009-010		WINDOW,TU	49	8A-CDA-002-010		CABI,REAR<A110 U<S>>
10	8A-CDA-007-010		LENS,LED	49	8A-CDA-030-010		CABI,REAR LH<A170 LH<S>>
11	8A-CDA-019-010		KEY,VOL	49	8A-CDL-030-010		CABI,REAR LH<A170 LH<S>>
12	8A-CDA-004-010		LID,CD	50	8A-CDA-005-010		LID,BATT
13	8A-CDA-213-010		COVER, CHUCK	51	8Z-CD5-634-010		COVER,AC SOCKET
14	87-036-368-010		MAGNET	52	8A-CDA-626-010		CONN ASSY,2P DOOR
15	8A-CDA-207-010		HLDR,CHUCK	53	8A-CDA-630-010		CONN ASSY,4P RPH
16	8Z-CDB-170-010		BASE,CHUCK	54	8A-CDA-633-010		CONN ASSY,4P SP
17	88-CD9-211-210		RING,CHUCK	55	8A-CDA-631-010		CONN ASSY,4P TA-ME
18	8A-CDA-620-010		FF-CABLE,16P FR-MAIN	56	8A-CDA-204-010		HLDR,VOL<A170 LH<S>>
19	8A-CDA-208-010		HLDR,LED	57	87-A60-178-010		JACK,AC E W/SW<A170 LH<S>>
20	8A-CDA-622-010		FF-CABLE,8P CD-FR	57	87-A60-177-010		JACK,AC U W/SW<A110 U<S>>
21	8A-CDA-016-010		KEY,CD	58	8A-CDA-018-010		KEY,QSOUND
22	87-063-165-010		OIL-DMPR 150	59	8A-CDA-612-010		PT,E 2.5W<A170 LH<S>>
23	8A-CDA-017-010		KEY,MODE	59	8A-CDA-611-010		PT,U 2.5W<A110 U<S>>
24	88-CH6-220-010		CUSHION,CD A	60	8A-CH4-682-010		SPKR,10- 70HM<A110 U<S>>
25	8A-CDA-621-010		FF-CABLE,16P CD-RF	60	88-CD9-626-010		SPKR,100 70HM 3W<A170 LH<S>>
26	8A-CDA-012-010		CHAS,CD	61	88-CD6-661-010		HLDR,BAR ANT.<A110 U<S>>
27	87-036-389-010		SW,PUSH LOCK	62	87-A91-369-010		SW,AC SL 2 2 2 SDKGA41700<A170 LH<S>>
28	8A-CDA-211-010		SPR-T,CD	A	87-721-096-410		QT2+3-10 GLD
29	8A-CDA-010-010		HANDL,ARM	B	87-753-104-410		VT2+3-30 W/O BLK<A170 LH<S>>
30	8A-CDA-011-010		HANDL,COVER	C	8A-CK4-223-010		S-SCREW,CD
31	87-NF8-220-010		DMPR,150<A110 U<S>>	D	87-067-566-010		TAPPING SCREW, VFTT+3-6<A170 LH<S>>
32	8Z-CH4-640-010		ANT,ROD	E	87-352-075-210		VT2+2.6-10<A170 LH<S>>
33	8Z-CDB-169-010		PANEL,CD SANYO	F	8A-CDA-222-010		S-SCREW,CASS+2.6-4<A110 U<S>>
34	8A-CDA-027-010		KEY,PAUSE	H	87-253-097-410		U+3-12 BLK<A110 U<S>>
35	8A-CDA-026-010		KEY,STOP	I	87-261-073-410		V+2.6-6<A110 U<S>>
36	8A-CDA-025-010		KEY,FF	J	87-751-096-410		VT2+3-10 GLD
37	8A-CDA-024-010		KEY,REW				
38	8A-CDA-023-010		KEY,PLAY				
39	8A-CDA-022-010		KEY,REC				

COLOR NAME TABLE

Basic color symbol	Color	Basic color symbol	Color	Basic color symbol	Color
B	Black	C	Cream	D	Orange
G	Green	H	Gray	L	Blue
LT	Transparent Blue	N	Gold	P	Pink
R	Red	S	Silver	ST	Titan Silver
T	Brown	V	Violet	W	White
WT	Transparent White	Y	Yellow	YT	Transparent Yellow
LM	Metallic Blue	LL	Light Blue	GT	Transparent Green
LD	Dark Blue	DT	Transparent Orange		

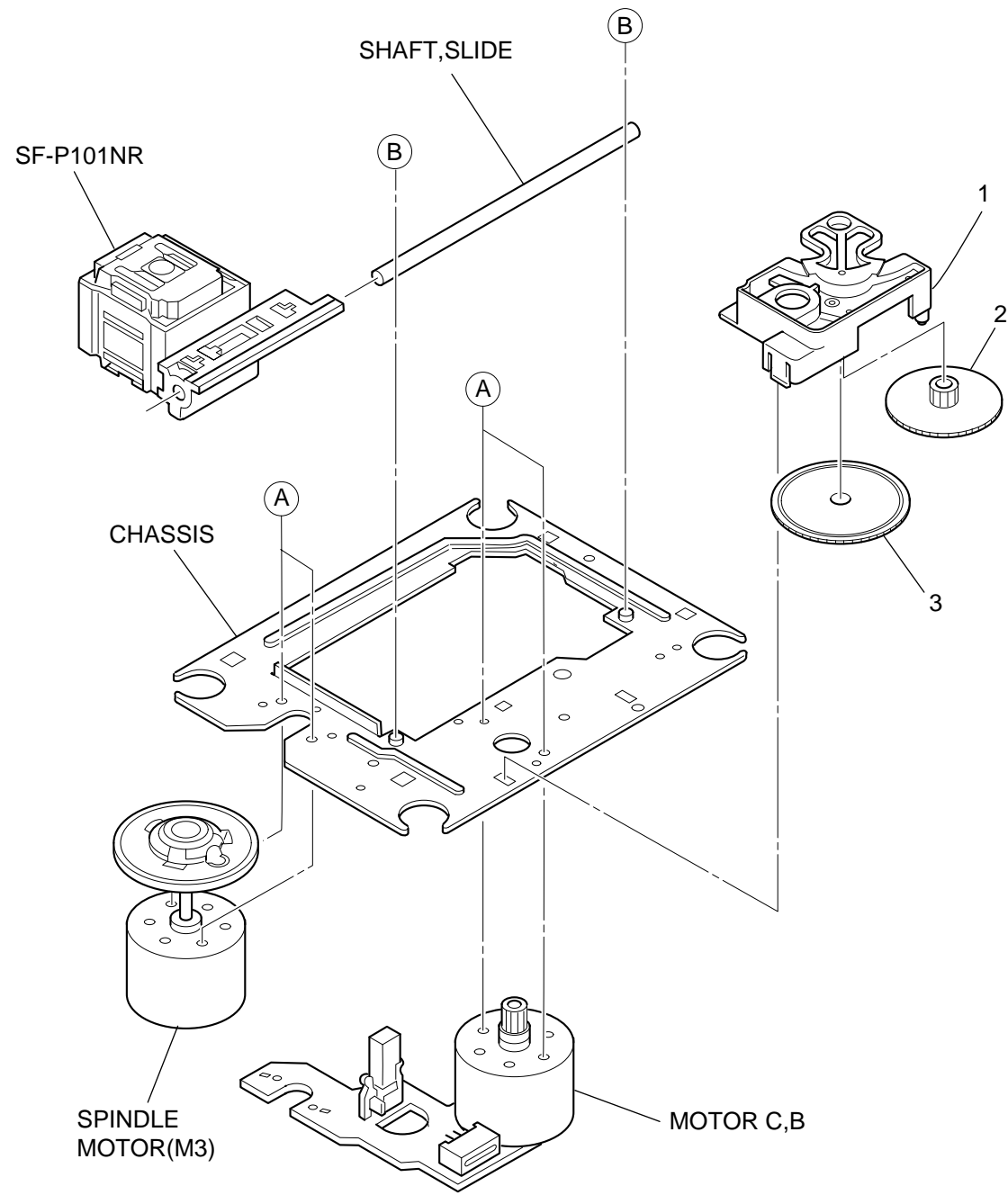




TAPE MECHANISM PARTS LIST 1/1

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION	REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	8Z-ZM1-254-210		SPR-C, REEL R	31	87-A91-533-010		HEAD, EH PH-K380
2	8Z-ZM1-225-110		GEAR, REEL R	32	8Z-ZM1-215-010		LEVER, REC LOCK
3	8Z-ZM1-253-110		SPR-C, AUTO SENSOR	33	87-A91-492-010		SW, LEAF MSW18560
4	8Z-ZM1-217-110		LEVER, AUTO SENSOR	34	8Z-ZM1-226-010		GEAR, REEL L
5	8Z-ZM1-212-110		LEVER, T-UP	35	8Z-ZM1-241-010		SPR-T, PLAY
6	8Z-ZM1-245-010		SPR-T, AUTO	36	8Z-ZM1-220-010		LEVER, REC SENSOR
7	8Z-ZM1-236-010		CLR, SLIP FF/REW	37	8Z-ZM1-249-010		SPR-T, FR
8	8Z-ZM1-252-010		SPR-C, FF/REW	38	8Z-ZM1-242-110		SPR-T, FF/REW
9	8Z-ZM1-230-010		GEAR, SLIP FF/REW A	39	8Z-ZM1-229-010		GEAR, CAM
10	8Z-ZM1-266-010		FELT, FF/REW	40	8Z-ZM1-232-010		GEAR, IDL FF/REW
11	8Z-ZM1-231-010		GEAR, SLIP FF/REW B	41	8Z-ZM1-234-010		FLY-WHL, ZZM-1
12	8Z-ZM1-213-010		LEVER, FF/REW	42	8Z-ZM1-267-010		SHAFT, CAPSTAN 2
13	8Z-ZM1-209-110		LEVER, PAUSE	43	8Z-ZM1-228-010		GEAR, SLIP T-UP B
14	8Z-ZM1-222-010		LEVER, E-LOCK M	44	8Z-ZM1-265-010		FELT, T-UP
15	8Z-ZM1-256-010		SPR-P, PAUSE	45	8Z-ZM1-227-010		GEAR, SLIP T-UP A
16	8Z-ZM1-244-010		SPR-T, T-UP	46	8Z-ZM1-251-110		SPR-C, T-UP SLIP
17	8Z-ZM1-247-210		SPR-T, PINCH	47	8Z-ZM1-243-210		SPR-T, STOP/PAUSE
18	8Z-ZM1-261-110		ROLLER ASSY, PINCH	48	87-A91-531-010		MOT, MS15C2L
19	8Z-ZM1-221-010		LEVER, PINCH	49	8Z-ZM1-271-010		PULLEY, MOT ZZM-1
20	8Z-ZM1-205-210		LEVER, PLAY	50	8Z-ZM1-264-010		BELT, MAIN S
21	8Z-ZM1-248-010		SPR-T, BRG	51	8Z-ZM1-260-010		SPR-P, CASSETTE
22	87-A90-403-110		HEAD, RPH MS15R	52	8Z-ZM1-201-310		CHAS ASSY, ZZM-1
23	84-ZM2-227-310		SPR-C, AZIMUTH	53	8Z-ZM1-255-110		SPR-T, E-LOCK
24	8Z-ZM1-216-010		LEVER, AUTO	54	8Z-ZM1-214-010		LEVER, LOCK
25	8Z-ZM1-246-010		SPR-T, AUTO 2	55	8Z-ZM1-257-110		SPR-C, F/R
26	8Z-ZM1-233-010		GEAR, IDL REW	56	8Z-ZM1-275-010		W-L, 1.47-4-0.25
27	8Z-ZM1-208-010		LEVER, STOP	A	84-ZM2-242-010		S-SCREW, AZ1-2-6.4
28	8Z-ZM1-207-010		LEVER, FF	B	8Z-ZM1-270-110		V+2.6 ZZM-1
29	8Z-ZM1-206-010		LEVER, REW				
30	8Z-ZM1-211-110		LEVER, REC 2				



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REF. NO	PART NO.	KANRI NO.	DESCRIPTION
1	S2-121-A28-400		COVER GEAR
2	S2-511-A21-000		GEAR MIDDLE
3	S2-511-A21-100		GEAR,DRIVE
A	S1-PN2-03R-0SE		SCR PAN PCS 2-3
B	87-261-073-410		SCR S-TPG FLT 2.6-6
ALL	M8-ZZK-E90-070		DA11T3C

ACCESSORIES/PACKAGE LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

REF. NO	PART NO.	KANRI NO.	DESCRIPTION
	1 8A-CDL-902-010	IB,LH(ESP)FM<A170 LH<S>>	
	1 8A-CDA-903-010	IB,U(ESF)FM<A110 U<S>>	
	2 8Z-CDK-962-010	RC UNIT,RC-ZAT02(VS)<A170 LH<S>>	
⚠	3 87-A80-036-010	AC CORD SET ASSY,E W/FLTR VOL	
		<A170 LH<S>>	
⚠	3 87-A80-109-010	AC CORD,HK7281 BLK U<A110 U<S>>	
⚠	4 87-A90-312-010	PLUG,CONVERSION WTN-1157R1	
		<A170 LH<S>>	

